Parts 1, 2, & 3 Environmental Assessment Form

Beaver Dam Lake

New Windsor, New York

January 16, 2007

FUSS & O'NEILL
Disciplines to Deliver

Fuss & O'Neill of New York, PC
80 Washington Street, Suite 301
Poughkeepsie, New York 12601

PARTS 1, 2, & 3 ENVIRONMENTAL ASSESSMENT FORM
Beaver Dam Lake Water Corporation

TABLE OF CONTENTS

SECTION

FIGURES

617.20
Appendix A State Environmental Quality Review
FULL ENVIRONMENTAL ASSESSMENT FORM

Purpose: The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may not be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible enough to allow introduction of information to fit a project or action.

Full EAF Components: The full EAF is comprised of three parts:

Part 1: Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.

Part 2: Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.

Part 3: If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

THIS AREA FOR LEAD AGENCY USE ONLY

DETERMINATION OF SIGNIFICANCE -- Type 1 and Unlisted Actions

Identify the Portions of EAF completed for this project: ☒ Part 1 ☒ Part 2 ☒ Part 3

Upon review of the information recorded on this EAF (Parts 1 and 2 and 3 if appropriate), and any other supporting information, and considering both the magnitude and importance of each impact, it is reasonably determined by the lead agency that:

☐ A. The project will not result in any large and important impact(s) and, therefore, is one which **will not** have a significant impact on the environment, therefore a negative declaration will be prepared.

☐ B. Although the project could have a significant effect on the environment, there will not be a significant effect for this Unlisted Action because the mitigation measures described in PART 3 have been required, therefore **a CONDITIONED negative declaration will be prepared.***

☐ C. The project may result in one or more large and important impacts that may have a significant impact on the environment, therefore **a positive declaration will be prepared.**

*A Conditioned Negative Declaration is only valid for Unlisted Actions

Upgrades to Beaver Dam Water Corporation Water Supply System
Name of Action

Town of New Windsor Planning Board
Name of Lead Agency

Genaro Argenio
Print or Type Name of Responsible Officer in Lead Agency

Chairman of the Planning Board
Title of Responsible Officer

X CHAIRMAN
Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

10/31/07
Date

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Signature of Preparer (If different from responsible officer)

10/24/07
Date

TOWN OF NEW WINDSOR

555 Union Avenue
New Windsor, New York 12553
Telephone: (845) 563-4615
FAX: (845) 563-4689

ENGINEER - PLANNING BOARD AND ZONING BOARD OF APPEALS

Myra Mason, Secretary

FAX COVER SHEET

TO: Troy

DATE: 1/31/08

FROM: Myra

MESSAGE:

Let's try that again!

This is the resolution date!

PAGES (including cover sheet) 2

SECTION A

INTRODUCTION

SECTION A: INTRODUCTION

The Orange County Department of Health requires the Beaver Dam Lake Water Corporation (the Applicant) to place filtration on the existing production wells since they are under the influence of surface water. The Applicant recognized that numerous upgrades were required and applied for funding through the Drinking Water State Revolving Loan Fund. A preliminary application was prepared based on identified deficiencies in the existing system to the Environmental Facilities Corporation. The application was scored highly and the upgrades are likely to be funded in this round. The project includes the following elements:

- Replacing the existing water storage tanks.
- Upgrading the existing water storage capacity.
- Improving water pressure in the system.
- Developing an additional water supply well.
- Designing micro-filtration treatment systems for existing and new supply.
- Metering all user households.

The proposed project is located within the Town of New Windsor, Orange County, New York. The parcels that are part of the proposed project are identified on the Town of New Windsor Tax Map as Tax Parcel Numbers 62-4-1, 62-9-1, 62-9-17, and 62-9-30. The proposed project is located within Zoning District R-4 "Suburban Residential".

SECTION B

PART 1 ENVIRONMENTAL ASSESSMENT FORM

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X Chairman
Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

10/31/07
Date

PART 1--PROJECT INFORMATION Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

Name of Action Upgrades to Beaver Dam Lake Water Corporation Water Supply System

Location of Action (include Street Address, Municipality and County)

Beaver Dam Lake, New Windsor, Orange County, New York

Name of Applicant/Sponsor Beaver Dam Lake Water Corporation

Address PO Box 407

City / PO Salisbury Mills State New York Zip Code 12577

Business Telephone (845) 496-5728

Name of Owner (if different) See above

Address _____

City / PO _____ State _____ Zip Code _____

Business Telephone _____

Description of Action:

See Introduction.

Please Complete Each Question--Indicate N.A. if not applicable

A. SITE DESCRIPTION

Physical setting of overall project, both developed and undeveloped areas.

1. Present Land Use: ☐ Urban ☐ Industrial ☐ Commercial ☒ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Other _____

2. Total acreage of project area: 1.91 acres.

APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
Meadow or Brushland (Non-agricultural)	0 acres	0 acres
Forested	0.93 acres	0.93 acres
Agricultural (Includes orchards, cropland, pasture, etc.)	0 acres	0 acres
Wetland (Freshwater or tidal as per Articles 24,25 of ECL)	0 acres	0 acres
Water Surface Area	0 acres	0 acres
Unvegetated (Rock, earth or fill)	0 acres	0 acres
Roads, buildings and other paved surfaces	0.12 acres	0.53 acres
Other (Indicate type) lawns, landscaped areas	0.86 acres	0.43 acres

3. What is predominant soil type(s) on project site?

a. Soil drainage: ☐ Well drained _____% of site ☒ Moderately well drained 100 % of site
☐ Poorly drained _____% of site

b. If any agricultural land is involved, how many acres of soil are classified within soil group 1 through 4 of the NYS Land Classification System? N/A acres (see 1 NYCRR 370).

4. Are there bedrock outcroppings on project site? ☒ Yes ☐ No

a. What is depth to bedrock 5 (in feet)

5. Approximate percentage of proposed project site with slopes:

☒ 0-10% 50% ☒ 10-15% 50% ☐ 15% or greater _____%

6. Is project substantially contiguous to, or contain a building, site, or district, listed on the State or National Registers of Historic Places? ☐ Yes ☒ No

7. Is project substantially contiguous to a site listed on the Register of National Natural Landmarks? ☐ Yes ☒ No

8. What is the depth of the water table? 1.5-2.0 (in feet)

9. Is site located over a primary, principal, or sole source aquifer? ☒ Yes ☐ No

10. Do hunting, fishing or shell fishing opportunities presently exist in the project area? ☒ Yes ☐ No

11. Does project site contain any species of plant or animal life that is identified as threatened or endangered? ☐ Yes ☒ No

According to:

Identify each species:

12. Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations)?

☐ Yes ☒ No

Describe:

13. Is the project site presently used by the community or neighborhood as an open space or recreation area?

☒ Yes ☐ No

If yes, explain:

The proposed well location is in an area that is currently used for launching small water craft.

14. Does the present site include scenic views known to be important to the community? ☒ Yes ☐ No

This was a former summer cottage area that has been converted to year round use. Many homes along the lake shoreline have a nice view of Beaver Dam Lake

15. Streams within or contiguous to project area:

N/A

a. Name of Stream and name of River to which it is tributary

N/A

16. Lakes, ponds, wetland areas within or contiguous to project area:

Beaver Dam Lake

b. Size (in acres):

150.8 acres

17. Is the site served by existing public utilities? ☒ Yes ☐ No

a. If **YES**, does sufficient capacity exist to allow connection? ☒ Yes ☐ No

b. If **YES**, will improvements be necessary to allow connection? ☒ Yes ☐ No

18. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☒ No

19. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617? ☐ Yes ☒ No

20. Has the site ever been used for the disposal of solid or hazardous wastes? ☐ Yes ☒ No

B. Project Description

1. Physical dimensions and scale of project (fill in dimensions as appropriate).

a. Total contiguous acreage owned or controlled by project sponsor: 1.91 acres.

b. Project acreage to be developed: 0.77 acres initially; 0.77 acres ultimately.

c. Project acreage to remain undeveloped: 1.14 acres.

d. Length of project, in miles: 0.19 (if appropriate)

e. If the project is an expansion, indicate percent of expansion proposed. N/A%

f. Number of off-street parking spaces existing 1; proposed 1

g. Maximum vehicular trips generated per hour: 0.1 (upon completion of project)?

h. If residential: Number and type of housing units:

	One Family	Two Family	Multiple Family	Condominium
Initially	N/A	N/A	N/A	N/A
Ultimately	N/A	N/A	N/A	N/A

i. Dimensions (in feet) of largest proposed structure: 75 height; 25 width; 25 length.

j. Linear feet of frontage along a public thoroughfare project will occupy is? 54 ft.

2. How much natural material (i.e. rock, earth, etc.) will be removed from the site? 10 tons/cubic yards.

3. Will disturbed areas be reclaimed ☒ Yes ☐ No ☐ N/A

a. If yes, for what intended purpose is the site being reclaimed?

An old underground water storage tank will be removed and replaced with an above ground stand pipe water storage tank.

b. Will topsoil be stockpiled for reclamation? ☒ Yes ☐ No

c. Will upper subsoil be stockpiled for reclamation? ☒ Yes ☐ No

4. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site? 0.35 acres.

5. Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?

☐ Yes ☒ No

6. If single phase project: Anticipated period of construction: 36 months, (including demolition)

7. If multi-phased:

a. Total number of phases anticipated N/A (number)

b. Anticipated date of commencement phase 1: N/A month N/A year, (including demolition)

c. Approximate completion date of final phase: N/A month N/A year.

d. Is phase 1 functionally dependent on subsequent phases? ☐ Yes ☒ No

8. Will blasting occur during construction? ☐ Yes ☒ No

9. Number of jobs generated: during construction 5-10 ; after project is complete 1

10. Number of jobs eliminated by this project 0.

11. Will project require relocation of any projects or facilities? ☒ Yes ☐ No

If yes, explain:

The existing underground water storage tank will be replaced with an above ground stand pipe water storage tank and the existing treatment systems will be moved to a common location adjacent to the new water tower.

12. Is surface liquid waste disposal involved? ☒ Yes ☐ No

a. If yes, indicate type of waste (sewage, industrial, etc) and amount sewage from filtration backwash – flow is unknown

b. Name of water body into which effluent will be discharged Hudson River from the New Windsor STP outfall

13. Is subsurface liquid waste disposal involved? ☐ Yes ☒ No Type

14. Will surface area of an existing water body increase or decrease by proposal? ☐ Yes ☒ No

If yes, explain:

15. Is project or any portion of project located in a 100 year flood plain? ☐ Yes ☒ No

16. Will the project generate solid waste? ☒ Yes ☐ No

a. If yes, what is the amount per month? unknown tons

b. If yes, will an existing solid waste facility be used? ☒ Yes ☐ No

c. If yes, give name Keystone Landfill ; location Dunmore, PA

d. Will any wastes not go into a sewage disposal system or into a sanitary landfill? ☐ Yes ☒ No

e. If yes, explain:

17. Will the project involve the disposal of solid waste? ☒ Yes ☐ No

a. If yes, what is the anticipated rate of disposal? unknown tons/month.

b. If yes, what is the anticipated site life? N/A years.

18. Will project use herbicides or pesticides? ☐ Yes ☒ No

19. Will project routinely produce odors (more than one hour per day)? ☐ Yes ☒ No

20. Will project produce operating noise exceeding the local ambient noise levels? ☐ Yes ☒ No

21. Will project result in an increase in energy use? ☒ Yes ☐ No

If yes, indicate type(s)

There may be a very slight increase in the power demand to run the additional proposed well pump and filtration unit.

22. If water supply is from wells, indicate pumping capacity ~46 gallons/minute.

23. Total anticipated water usage per day 32,000 gallons/day.

24. Does project involve Local, State or Federal funding? ☒ Yes ☐ No

If yes, explain:

Project funding will be provided by the Drinking Water State Revolving Fund administered through Environmental Facilities Corporation (EFC).

25. Approvals Required:

			Type	Submittal Date
City, **Town**, Village Board	☒ Yes	☐ No	Site Plan	
City, **Town**, Village Planning Board	☒ Yes	☐ No	Site Plan	
City, **Town** Zoning Board	☒ Yes	☐ No	Tower Height Variance	
City, County Health Department (Orange County HD)	☒ Yes	☐ No	Water Connection Filtration	
Other Local Agencies (Town of Cornwall PB)	☒ Yes	☐ No	Site Plan	
Other Regional Agencies	☐ Yes	☒ No		
State Agencies (NYSDEC, NYSDOH, EFC)	☒ Yes	☐ No	Water Connection (DOH) DEC SPDES GP-02-01 NYSOPRHP Consultation	
Federal Agencies	☐ Yes	☒ No		

C. Zoning and Planning Information

1. Does proposed action involve a planning or zoning decision? ☒ Yes ☐ No

If Yes, indicate decision required:

☐ Zoning amendment	☒ Zoning variance	☐ New/revision of master plan	☐ subdivision
☒ Site plan	☐ Special use permit	☐ Resource management plan	☐ other

2. What is the zoning classification(s) of the site?

The project site is located in the Town of New Windsor Zoning District R-4 "Suburban Residential".

3. What is the maximum potential development of the site if developed as permitted by the present zoning?

N/A

4. What is the proposed zoning of the site?

N/A – not proposing to change the zoning of the site.

5. What is the maximum potential development of the site if developed as permitted by the proposed zoning?

N/A

6. Is the proposed action consistent with the recommended uses in adopted local land use plans? ☒ Yes ☐ No

The changes proposed are mandated by the County Health Department and are required as part of the system upgrades.

7. What are the predominant land use(s) and zoning classifications within a ¼ mile radius of proposed action?

Town of New Windsor Zoning District R-4 "Suburban Residential".

Town of Cornwall Zoning District SR-1 "Suburban Residence".

Town of Blooming Grove Zoning District R-45 "Residence".

8. Is the proposed action compatible with adjoining/surrounding land uses with a ¼ mile? ☒ Yes ☐ No

9. If the proposed action is the subdivision of land, how many lots are proposed? N/A

   a. What is the minimum lot size proposed? N/A

10. Will proposed action require any authorization(s) for the formation of sewer or water districts? ☐ Yes ☒ No

An existing water corporation and sewer district are already currently in place.

11. Will the proposed action create a demand for any community provided services (recreation, education, police, fire protection)? ☐ Yes ☒ No

a. If yes, is existing capacity sufficient to handle projected demand? ☐ Yes ☐ No

12. Will the proposed action result in the generation of traffic significantly above present levels? ☐ Yes ☒ No

a. If yes, is the existing road network adequate to handle the additional traffic. ☐ Yes ☐ No

D. Informational Details

Attach any additional information as may be needed to clarify your project. If there are or may be any adverse impacts associated with your proposal, please discuss such impacts and the measures which you propose to mitigate or avoid them.

E. Verification

I certify that the information provided above is true to the best of my knowledge.

Applicant/Sponsor Name _____ Date _____

Signature _____

Title _____

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment.

ENDNOTES

Part A: Site Description

3: According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey for Orange County, the site contains Mardin gravelly silt loam, 3 to 8 percent slopes (MdB). This soil series Hydrologic Soil Group (HSG) Type C.

4.a: According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey for Orange County, the depth to bedrock for the MdB soil series is greater than 60 inches (5 feet).

6: According to the National Register Information System (NRIS) on The National Register of Historic Places website (http://www.cr.nps.gov/nr/research/nris.htm).

7: According to the National Natural Landmarks (NNL) Guide on The National Park Service website (http://www.nature.nps.gov/nnl).

8: According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey for Orange County, the depth to groundwater for the MdB soil series is 1.5-2.0 feet (March – May).

9: The site may be located over a principal aquifer (Carbonate rock aquifer) according to the GIS information provided on the "Cornell University Geospatial Information Repository" website (http://cugir.mannlib.cornell.edu/).

10: Fishing is currently permitted in Beaver Dam Lake.

17: There is a private water supply corporation and a municipally owner sewer system in place. The sewer system currently has the capacity to take on additional flow and connections to the sewer system are allowed. The water supply system has sufficient capacity to adequately supply the current customers; however, no new connections to the water supply system are currently allowed. No new connections to either the sewer or potable water systems are proposed as part of this project.

The proposed modifications to the existing water supply system will bring the system into compliance with the applicable Health Code and address the current water quality issues.

19: According to the "NYSDEC Critical Environmental Area in Orange County" (http://www.dec.state.ny.us/website/dcs/seqr/cea/ceaorange.html).

20: According to the "Registry of Inactive Hazardous Waste Disposal Sites in New York State", Volume 3, 1999 (http://www.nysl.nysed.gov/scandoclinks/ocm42678817.htm).

Part B: Project Description

4: Represents the area of new impervious surface, excluding lawn and landscaped areas and existing impervious area (e.g., pavement, buildings, etc).

8: Blasting is not expected to be required. However, if necessary, blasting will be performed in accordance with all State and Local requirements.

12: The anticipated wastewater generation rate is currently unknown at this time. The will be no restroom facilities onsite, since the position created will be part time and only requires drive-bys to ensure the system is operating properly.

The proposed water treatment filtration facility may produce wastewater as part of the back wash process. As applicable based on approved final design for the filtration system, a satisfactory back wash method to thoroughly remove and dispose of filter media shall be provided for the proposed filtration method. The maintenance of filters will be done to the manufacturer's specification (e.g., typically at a minimum rate of 10-20 gpm per square foot of filter consistent with water temperatures and the specific gravity of the filter media). However, the minimum wastewater generation rate will not be known until the proposed filtration method has been designed and approved by the regulatory review agencies.

15: According to the National Flood Insurance Program Flood Insurance Rate Map, Town of New Windsor, New York, Community Panel No.360628 0005 B effective date December 15, 1978, the site is located in Zone C "areas of minimal flooding"; however it is not located within a 100-year floodplain.

16.a: The anticipated solid waste generated per month is currently unknown at this time. The water treatment facility will produce wastewater and/or solid waste as part of the maintenance process. A satisfactory filter maintenance method shall be provided for the proposed filtration method. Filters may have to be replaced over a period of time as part of the regular maintenance of the system. However, the amount of anticipated solid waste generated will not be known until the proposed filtration method has been designed and approved by the regulatory review agencies.

16.c: A private hauler will transport the collected waste to a licensed facility offsite. Typically, the Keystone Landfill in Dunmore, PA is used.

17: The sites are served by sewer, electric, telephone, and cable. Applicable utilities have sufficient capacity to allow connection. Improvements would likely be necessary to allow connection.

The anticipated disposal of solid waste per month is currently unknown at this time. The water treatment facility will produce wastewater as part of the maintenance process. A satisfactory maintenance method to thoroughly remove and dispose wastewater and solid waste shall be provided for the proposed filtration method. Filters may have to be replaced over a period of time as part of the regular maintenance of the system. However, the amount of anticipated solid waste disposal will not be known until the proposed filtration method has been designed.

22: This number represents the existing well supply pumping capacity.

23: This is the total water usage for the water supply system provided by the private water corporation.

25: There are no provisions on the maximum height for water towers in the town code. According to the Table of Use/Bulk Regulations Suburban Residential (R-4), the maximum building height is 35 feet. The water tower height is estimated to be between 50 to 75 feet. The final height will be determined during the design process and acceptance and approval from the health department.

SECTION C

PART 2 ENVIRONMENTAL ASSESSMENT FORM

PART 2 -PROJECT IMPACTS AND THEIR MAGNITUDE Responsibility of Lead Agency

General Information (Read Carefully)

- In completing the form the reviewer should be guided by the question: Have my responses and determinations been **reasonable?** The reviewer is not expected to be an expert environmental analyst.
- The **Examples** provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site other examples and/or lower thresholds may be appropriate for a Potential Large Impact response, thus requiring evaluation in Part 3.
- The impacts of each project, on each site, in each locality, will vary. Therefore, the examples are illustrative and have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question. ! The number of examples per question does not indicate the importance of each question. ! In identifying impacts, consider long term, short term and cumulative effects.

Instructions (Read carefully)

a. Answer each of the 20 questions in PART 2. Answer **Yes** if there will be **any** impact.
b. **Maybe** answers should be considered as **Yes** answers.
c. If answering **Yes** to a question then check the appropriate box (column 1 or 2) to indicate the potential size of the impact. If impact threshold equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
d. Identifying that an Impact will be potentially large (column 2) does not mean that it is also necessarily **significant.** Any large impact must be evaluated in PART 3 to determine significance. Identifying an impact in column 2 simply asks that it be looked at further.
e. If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
f. If a potentially large impact checked in column 2 can be mitigated by change(s) in the project to a small to moderate impact, also check the **Yes** box in column 3. A **No** response indicates that such a reduction is not possible. This must be explained in Part 3.

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
Impact on Land			
1. Will the Proposed Action result in a physical change to the project site? ☐NO ☒YES			
Examples that would apply to column 2			
• Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.	☒	☐	☐Yes ☐No
• Construction on land where the depth to the water table is less than 3 feet.	☒	☐	☐Yes ☐No
• Construction of paved parking area for 1,000 or more vehicles.	☐	☐	☐Yes ☐No
• Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.	☒	☐	☐Yes ☐No
• Construction that will continue for more than 1 year or involve more than one phase or stage.	☒	☐	☐Yes ☐No
• Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.	☐	☐	☐Yes ☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
• Construction or expansion of a sanitary landfill.	☐	☐	☐Yes ☐No
• Construction in a designated floodway.	☐	☐	☐Yes ☐No
• Other impacts:	☒	☐	☐Yes ☐No

Replacing an underground water storage tank with an above ground stand pipe water storage tank. The estimated height of the above ground stand pipe water storage tank is between 50 – 75 feet. The final elevation will be determined during the design process and acceptance, and approval of the health department.

2. Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.)

☒NO ☐YES

• Specific land forms:	☐	☐	☐Yes ☐No

Impact on Water

3. Will Proposed Action affect any water body designated as protected? (Under Articles 15, 24, 25 of the Environmental Conservation Law, ECL)

☒NO ☐YES

Examples that would apply to column 2

• Developable area of site contains a protected water body.	☐	☐	☐Yes ☐No
• Dredging more than 100 cubic yards of material from channel of a protected stream.	☐	☐	☐Yes ☐No
• Extension of utility distribution facilities through a protected water body.	☐	☐	☐Yes ☐No
• Construction in a designated freshwater or tidal wetland.	☐	☐	☐Yes ☐No
• Other impacts:	☐	☐	☐Yes ☐No

4. Will Proposed Action affect any non-protected existing or new body of water?

☒NO ☐YES

Examples that would apply to column 2

• A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease.	☐	☐	☐Yes ☐No
• Construction of a body of water that exceeds 10 acres of surface area.	☐	☐	☐Yes ☐No
• Other impacts:	☐	☐	☐Yes ☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
5. Will Proposed Action affect surface or groundwater quality or quantity? ☐NO ☒YES				
Examples that would apply to column 2				
• Proposed Action will require a discharge permit.	☐	☐	☐Yes	☐No
• Proposed Action requires use of a source of water that does not have approval to serve proposed (project) action.	☒	☐	☐Yes	☐No
• Proposed Action requires water supply from wells with greater than 45 gallons per minute pumping capacity.	☐	☐	☐Yes	☐No
• Construction or operation causing any contamination of a water supply system.	☐	☐	☐Yes	☐No
• Proposed Action will adversely affect groundwater.	☐	☐	☐Yes	☐No
• Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.	☐	☐	☐Yes	☐No
• Proposed Action would use water in excess of 20,000 gallons per day.	☐	☐	☐Yes	☐No
• Proposed Action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.	☐	☐	☐Yes	☐No
• Proposed Action will require the storage of petroleum or chemical products greater than 1,100 gallons.	☐	☐	☐Yes	☐No
• Proposed Action will allow residential uses in areas without water and/or sewer services.	☐	☐	☐Yes	☐No
• Proposed Action locates commercial and/or industrial uses which may require new or expansion of existing waste treatment and/or storage facilities.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	

6. Will Proposed Action alter drainage flow or patterns, or surface water runoff?
☒NO ☐YES

Examples that would apply to column 2

• Proposed Action would change flood water flows	☐	☐	☐Yes	☐No
• Proposed Action may cause substantial erosion.	☐	☐	☐Yes	☐No
• Proposed Action is incompatible with existing drainage patterns.	☐	☐	☐Yes	☐No
• Proposed Action will allow development in a designated floodway.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

IMPACT ON AIR

7. Will Proposed Action affect air quality?
☒NO ☐YES

Examples that would apply to column 2

• Proposed Action will induce 1,000 or more vehicle trips in any given hour.	☐	☐	☐Yes	☐No
• Proposed Action will result in the incineration of more than 1 ton of refuse per hour	☐	☐	☐Yes	☐No
• Emission rate of total contaminants will exceed 5 lbs. per hour or heat source producing more than 10 million BTU's per hour.	☐	☐	☐Yes	☐No
• Proposed Action will allow an increase in the amount of land committed to industrial use.	☐	☐	☐Yes	☐No
• Proposed Action will allow an increase in the density of industrial development within existing industrial areas.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

IMPACT ON PLANTS AND ANIMALS

8. Will Proposed Action affect air quality?
☒NO ☐YES

Examples that would apply to column 2

• Reduction of one or more species listed on the New York or Federal list, using the site, over or near the site, or found on the site.	☐	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
• Removal of any portion of a critical or significant wildlife habitat.	☐	☐	☐Yes	☐No
• Application of pesticide or herbicide more than twice a year, other than for agricultural purposes.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

9. Will Proposed Action substantially affect non-threatened or non-endangered species?
☒NO ☐YES

Examples that would apply to column 2

• Proposed Action would substantially interfere with any resident or migratory fish, shellfish or wildlife species.	☐	☐	☐Yes	☐No
• Proposed Action requires the removal of more than 10 acres of mature forest (over 100 years of age) or other locally important vegetation.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

IMPACT ON AGRICULTURAL LAND RESOURCES

10. Will Proposed Action affect agricultural land resources?
☒NO ☐YES

Examples that would apply to column 2

• The Proposed Action would sever, cross or limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.)	☐	☐	☐Yes	☐No
• Construction activity would excavate or compact the soil profile of agricultural land.	☐	☐	☐Yes	☐No
• The Proposed Action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than 2.5 acres of agricultural land.	☐	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
• The Proposed Action would disrupt or prevent installation of agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); or create a need for such measures (e.g. cause a farm field to drain poorly due to increased runoff).	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

IMPACT ON AESTHETIC RESOURCES

11. Will Proposed Action affect aesthetic resources? (If necessary, use the Visual EAF Addendum in Section 617.20, Appendix B.)
☐NO ☒YES

Examples that would apply to column 2

• Proposed land uses, or project components obviously different from or in sharp contrast to current surrounding land use patterns, whether man-made or natural.	☐	☐	☐Yes	☐No
• Proposed land uses, or project components visible to users of aesthetic resources which will eliminate or significantly reduce their enjoyment of the aesthetic qualities of that resource.	☒	☐	☐Yes	☐No
• Project components that will result in the elimination or significant screening of scenic views known to be important to the area.	☒	☐	☐Yes	☐No
• Other impacts:	☒	☐	☐Yes	☐No

Replacing an underground water storage tank with an above ground stand pipe water storage tank.

IMPACT ON HISTORIC AND ARCHAEOLOGICAL RESOURCES

12. Will Proposed Action impact any site or structure of historic, prehistoric or paleontological importance?
☐NO ☒YES

Examples that would apply to column 2

• Proposed Action occurring wholly or partially within or substantially contiguous to any facility or site listed on the State or National Register of historic places.	☐	☐	☐Yes	☐No
• Any impact to an archaeological site or fossil bed located within the project site.	☐	☐	☐Yes	☐No
• Proposed Action will occur in an area designated as sensitive for archaeological sites on the NYS Site Inventory.	☒	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
• Other impacts:	☐	☐	☐Yes	☐No

A preliminary Phase I Archaeological Assessment will be conducted after the design of the facility is completed and will be completed prior to any significant disturbance occurs.

IMPACT ON OPEN SPACE AND RECREATION

13. Will proposed Action affect the quantity or quality of existing or future open spaces or recreational opportunities?
☐NO ☒YES

Examples that would apply to column 2

• The permanent foreclosure of a future recreational opportunity.	☐	☐	☐Yes	☐No
• A major reduction of an open space important to the community.	☐	☐	☐Yes	☐No
•	☒	☐	☐Yes	☐No

Other impacts:

An installation of a new well will have a limited affect on boat storage, but will not impact launching small boats.

IMPACT ON CRITICAL ENVIRONMENTAL AREAS

14. Will Proposed Action impact the exceptional or unique characteristics of a critical environmental area (CEA) established pursuant to subdivision 6NYCRR 617.14(g)?
☒NO ☐YES

List the environmental characteristics that caused the designation of the CEA.

Examples that would apply to column 2

• Proposed Action to locate within the CEA?	☐	☐	☐Yes	☐No
• Proposed Action will result in a reduction in the quantity of the resource?	☐	☐	☐Yes	☐No
• Proposed Action will result in a reduction in the quality of the resource?	☐	☐	☐Yes	☐No
• Proposed Action will impact the use, function or enjoyment of the resource?	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	

IMPACT ON TRANSPORTATION

15. Will there be an effect to existing transportation systems?
☒NO ☐YES

Examples that would apply to column 2

• Alteration of present patterns of movement of people and/or goods.	☐	☐	☐Yes	☐No
• Proposed Action will result in major traffic problems.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

IMPACT ON ENERGY

16. Will Proposed Action affect the community's sources of fuel or energy supply?

☒NO ☐YES

Examples that would apply to column 2

• Proposed Action will cause a greater than 5% increase in the use of any form of energy in the municipality.	☐	☐	☐Yes	☐No
• Proposed Action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two family residences or to serve a major commercial or industrial use.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

NOISE AND ODOR IMPACT

17. Will there be objectionable odors, noise, or vibration as a result of the Proposed Action?

☒NO ☐YES

Examples that would apply to column 2

• Blasting within 1,500 feet of a hospital, school or other sensitive facility.	☐	☐	☐Yes	☐No
• Odors will occur routinely (more than one hour per day).	☐	☐	☐Yes	☐No
• Proposed Action will produce operating noise exceeding the local ambient noise levels for noise outside of structures.	☐	☐	☐Yes	☐No
• Proposed Action will remove natural barriers that would act as a noise screen.	☐	☐	☐Yes	☐No
• Other impacts:	☐	☐	☐Yes	☐No

The noise level should not exceed local ambient noise levels; however, it may be different from the existing noise levels because of the installation of the new standpipe and filtration units. The filtration unit operates quietly; however, there will be a slight increase in the ambient noise level when the tank is filling.

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	

IMPACT ON PUBLIC HEALTH

18. Will Proposed Action affect public health and safety?
☐NO ☒YES

Examples that would apply to column 2

• Proposed Action may cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there may be a chronic low level discharge or emission.	☐	☐	☐Yes	☐No
• Proposed Action may result in the burial of "hazardous wastes" in any form (i.e. toxic, poisonous, highly reactive, radioactive, irritating, infectious, etc.)	☐	☐	☐Yes	☐No
• Storage facilities for one million or more gallons of liquefied natural gas or other flammable liquids.	☐	☐	☐Yes	☐No
• Proposed Action may result in the excavation or other disturbance within 2,000 feet of a site used for the disposal of solid or hazardous waste.	☐	☐	☐Yes	☐No
• Other impacts:	☒	☐	☐Yes	☐No

The proposed modifications to the existing water supply system will bring the system into compliance with the applicable Health Code since the Health Department has deemed this water supply to be under the influence of a surface water body.

IMPACT ON GROWTH AND CHARACTER OF COMMUNITY OR NEIGHBORHOOD

19. Will Proposed Action affect the character of the existing community?
☒NO ☐YES

Examples that would apply to column 2

• The permanent population of the city, town or village in which the project is located is likely to grow by more than 5%.	☐	☐	☐Yes	☐No
• The municipal budget for capital expenditures or operating services will increase by more than 5% per year as a result of this project.	☐	☐	☐Yes	☐No
• Proposed Action will conflict with officially adopted plans or goals.	☐	☐	☐Yes	☐No
• Proposed Action will cause a change in the density of land use.	☐	☐	☐Yes	☐No
• Proposed Action will replace or eliminate existing facilities, structures or areas of historic importance to the community.	☐	☐	☐Yes	☐No
• Development will create a demand for additional community services (e.g. schools, police and fire, etc.)	☐	☐	☐Yes	☐No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change
• Proposed Action will set an important precedent for future projects.	☐	☐	☐Yes ☐No
• Proposed Action will create or eliminate employment.	☐	☐	☐Yes ☐No
• Other impacts:	☐	☐	☐Yes ☐No

20. Is there, or is there likely to be, public controversy related to potential adverse environment impacts?
☐NO ☒YES

The only available location for the above ground water storage tank is on a property that is adjacent to five residential dwellings. The standpipe will be clearly visible from these residences. This site currently accommodates the existing limited storage facility. Five homes adjacent to this property are all connected to the system and experience pressure problems which will be alleviated by the planned improvements. Also, every reasonable effort will be made to minimize the size and height to the extent feasible and use color blending and appropriate landscaping to address anticipated concerns. Additional information will be provided as the design process progresses and the health department approved the proposed holding tank.

If Any Action in Part 2 Is Identified as a Potential Large Impact or If you Cannot Determine the Magnitude of Impact, Proceed to Part 3

SECTION D

PART 3 ENVIRONMENTAL ASSESSMENT FORM

Part 3 - EVALUATION OF THE IMPORTANCE OF IMPACTS

Responsibility of Lead Agency

Part 3 must be prepared if one or more impact(s) is considered to be potentially large, even if the impact(s) may be mitigated.

Instructions (If you need more space, attach additional sheets)

Discuss the following for each impact identified in Column 2 of Part 2:

1. Briefly describe the impact.
2. Describe (if applicable) how the impact could be mitigated or reduced to a small to moderate impact by project change(s).
3. Based on the information available, decide if it is reasonable to conclude that this impact is **important.**

   To answer the question of importance, consider:
   - The probability of the impact occurring
   - The duration of the impact
   - Its irreversibility, including permanently lost resources of value
   - Whether the impact can or will be controlled
   - The regional consequence of the impact
   - Its potential divergence from local needs and goals
   - Whether known objections to the project relate to this impact.

Impact on Public Health

18: Other Impacts:

A new well is proposed for the Beaver Dam Lake Water Corporation. The existing two wells meet current demand, occasionally pumping nearly 24 hours a day. There is insufficient backup in place. An additional well is proposed on a parcel that is currently owned by the Corporation to provide additional backup for the system.

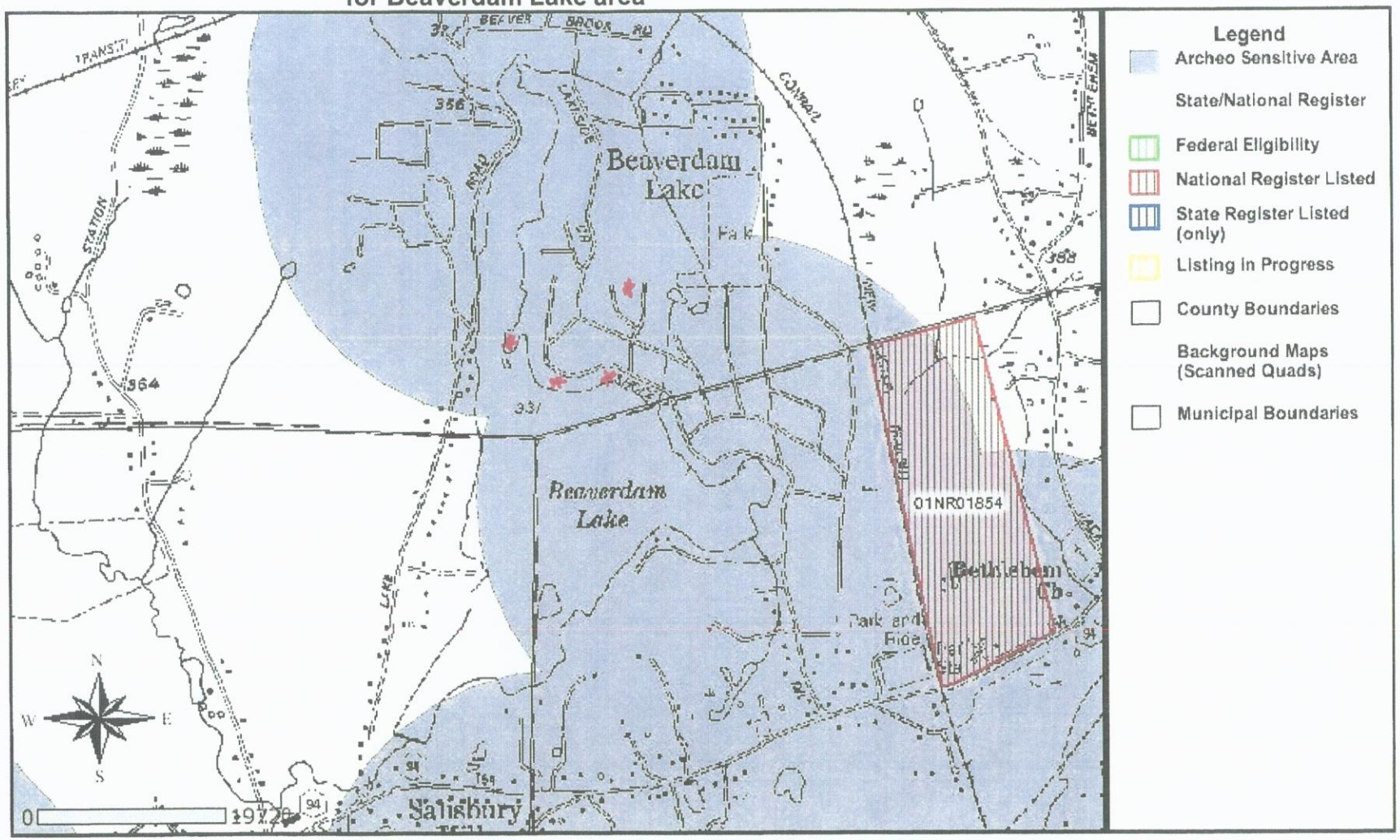
Not every home in the vicinity of the Beaver Dam Lake Water Corporation is connected to the Corporation's water supply. The proposed well location is near some existing privately held production wells that provide water to some residents of this neighborhood. The nearest privately held well is located approximately 300 feet from the proposed well location. There is another privately held well located approximately 750 feet from the proposed well location.

FIGURES

BEAVER DAM LAKE WATER CORPORATION

FIGURE 1

NYSHPO Archeological Map for Beaverdam Lake area



October 27, 2006

Disclaimer: This map was prepared by the New York State Parks, Recreation and Historic Preservation National Register Listing Internet Application. The information was compiled using the most current data available. It is deemed accurate, but is not guaranteed.

* = APPROXIMATE PARCEL LOCATIONS

Beaver Dam Lake Water Corporation

PRINCIPAL AQUIFER MAP

Town of New Windsor, Orange County, NY

N
W E
S

LEGEND

- OC_Municipalities
- New Windsor Parcels

aquifers

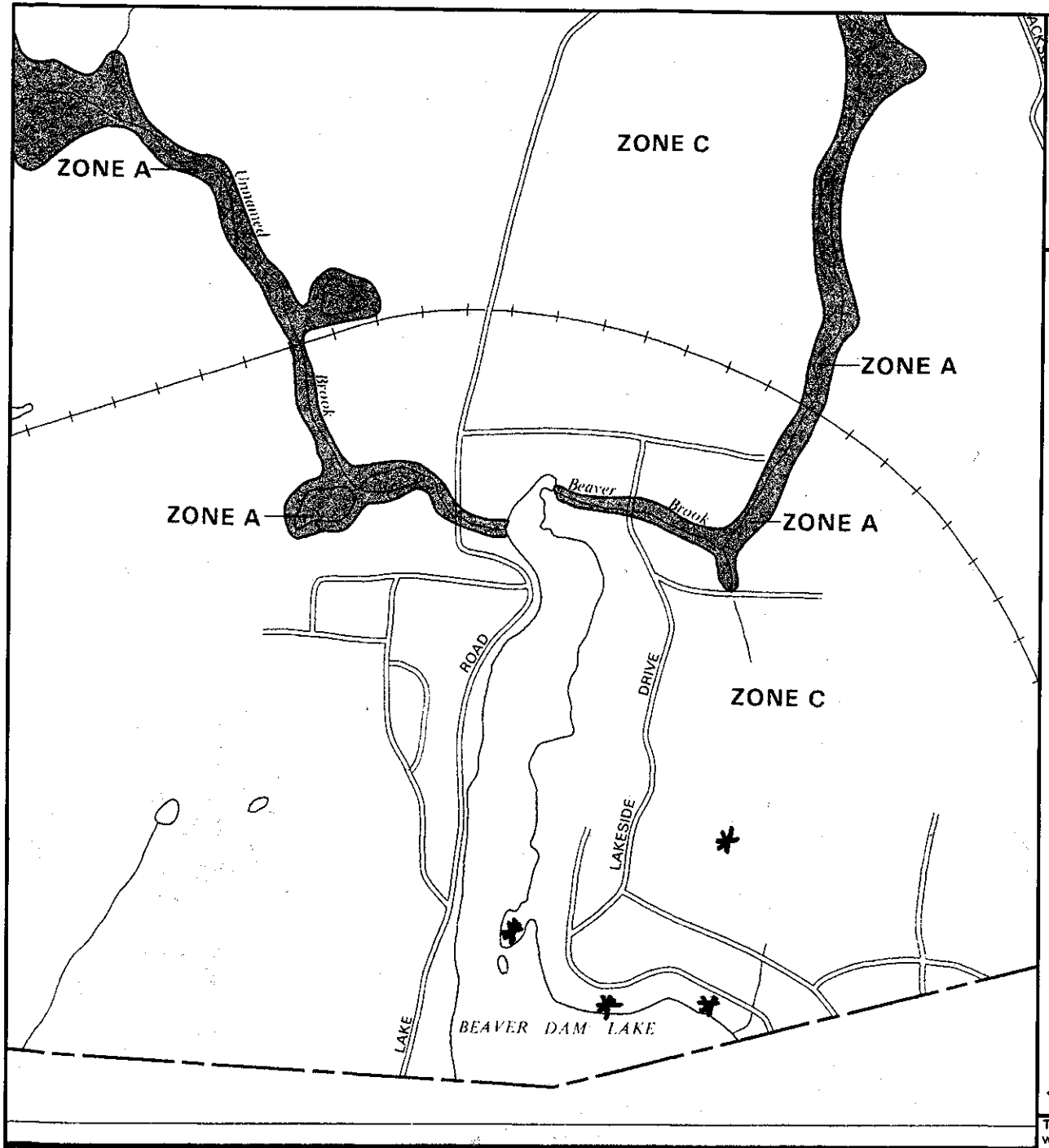
ROCK_NAME

- Carbonate-rock aquifers
- Sandstone and carbonate-rock aquifers
- Sandstone aquifers
- Semiconsolidated sand aquifers

FUSS & O'NEILL
of New York, PC
80 WASHINGTON STREET SUITE 301, POUGHKEEPSIE, NY 12601
845.452.6801 www.FandO.com

FIGURE 2

SCALE: 1 inch equals 500 feet



* = APPROXIMATE PARCEL LOCATIONS

N

APPROXIMATE SCALE

1000 0 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

TOWN OF
NEW WINDSOR,
NEW YORK
ORANGE COUNTY

COMMUNITY-PANEL NUMBER
360628 0005 B

PAGE 5 OF 10

EFFECTIVE
DECEMBER 15, 1978

U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

FIGURE 3